



Turning Liabilities Into Leverage!

# MicroClear® 209 Marine Sanitation Devices

## Product Bulletin

*Environmental Leverage has Lab Analysis Service Available*

**MicroClear® 209** is a high potency, bacteria-laden, powdered formulation, is specially formulated & packaged for direct addition to holding tanks, marine heads, drains and grease traps. Use in boats, marinas, restaurants and commercial buildings.

**MicroClear® 209** contains a specially formulated, proprietary blend of microorganisms, micro/macronutrients, and surface tension suppressants/penetrants. The safe, naturally occurring bacteria are present in high numbers to handle difficult organic problems, reduce odors and are very economical to use.



1-lb. Water Soluble Bio-Pouch

### Application Instructions for Marine Sanitation Devices

Flow Rate	Initial Dosage	Maintenance**
Up to 25,000gpd	1lb. per week	½ lb. per week
Up to 50,000gpd	1lb. 2x week	1 lb. per week
Up to 100,000gpd	1lb. every other day	1 lb. 2x week
Up to 250,000gpd	1lb. per day	1 lb. 3x week

### Product Advantages

- Use in all Sewage Holding Tanks
- Marine Sewage Pump out Facility
- Use in Boat, RV, Portable, & Chemical Toilets
- Use for both Grey & Black Water Treatment
- Port & Terminal Reception
- Facilities Issues
- Greatly reduces labor time
- Enhances BOD/COD removal
- Reduces hydrogen sulfide
- Reduces sludge buildup
- Cost effective & Easy to use
- Changes biomass dynamics
- Increases system efficiency
- Breaks down fat & grease buildup
- Eliminates malodors at their source
- Contains facultative anaerobes
- Grease Trap and Drain Maintenance
- Contains no chemicals
- Degrades a wide range of complex organic compounds
- No special equipment needed

### Applications of Use

- MARINE SANITATION DEVICES
- BALLAST TANKS
- LIFT STATIONS
- TRANSFER STATIONS
- WET WELLS
- SUMP PITS
- MARINE SEWAGE HOLDING TANKS
- CRUISE SHIPS, LARGE & SMALL BOATS
- OXIDATION TANKS
- DIGESTERS
- SLUDGE TANKS
- SEWER MAINS
- LATERALS
- GREASE TRAPS
- DRAIN LINES

- Degrades**
- Black & Grey Water
  - Ballast Water
  - Fats, Oils & Grease
  - Starches
  - Protein
  - Malodors
  - Animal Fat
  - Triglycerides
  - Foaming
  - Surfactants
  - Soaps



### Environmental Leverage® Inc.

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630-906-9791 fax 630-906-9792

[www.EnvironmentalLeverage.com](http://www.EnvironmentalLeverage.com)

### Packaging of Product

**MicroClear® 209** comes in  
1-lb. water soluble Bio-pouches.  
Packaged in 25-lb. Plastic Pails.  
Bulk packaging upon request.





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### Degrades

- Black & Grey Water
- Ballast Water
- Fats, Oils & Grease
- Starches
- Protein
- Malodors
- Animal Fat
- Triglycerides
- Foaming
- Surfactants
- Soaps

### Typical Properties of Product

- Appearance.....light tan
- Fragrance.....mild-earthy
- Form.....powder
- pH.....6.8-8.5
- Shelf-Life.....2 years/u.o.c.
- Flash Point.....none

### Performance Properties

- Effective pH range.....5.2 - 9.5
- Effective Temperature Ran.....35 - 130°F
- Bacterial Enzyme Production.....Protease, Lipase, Amylase, Urease, Cellulase

### Storage & Handling

Storage.....Store in a cool, dry place. Do Not Freeze  
 Container.....Keep lid closed on Plastic Pail. Do not store water soluble pouches out of plastic container.

Handling.....Wash hands thoroughly with warm, soapy water

### Bacterial Count

MicroClear® 209.....>1x10<sup>9</sup> (Billion per gram)



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# MicroClear® FOGgone™

## High Fats, Oil & Grease Liquid Formulation

### Product Bulletin

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**MicroClear® FOGgone™** liquid solutions of specially selected multi-cultured bacterial strain concentrate. These bacterial strains work synergistically for the fastest action available in a liquid digestant using nature's own cleaning agents.

**MicroClear® FOGgone™** contains a synergized blend of Bacillus organisms, all of which has been selectively chosen for accelerated degradation capabilities of organic compounds such as grease, fats, proteins, starch, sugars, and cellulose. Developed for Wetwells, Drains and Grease Trap Liquid.

#### Benefits of Use

- \* Highly effective, broad spectrum organic degradation capabilities
- \* Wide range of formulating capabilities
- \* Can be added by hand if necessary
- \* Extensive stability and shelf life
- \* Excellent for use with automatic pump systems



#### Degrades

- Fats, Oils & Grease
- Organics
- Starches
- Protein
- Malodors
- Animal Fat
- Triglycerides
- Foaming
- Surfactants / Soaps
- Chemicals



#### Product Advantages

- FOG removal: Liftstation, Grease Traps
- Lowers BOD in Industrial Pre-Treatment
- Greatly reduces FOG
- Enhances BOD/COD removal
- Reduces hydrogen sulfide
- Reduces sludge buildup
- Changes biomass dynamics
- Increases system efficiency
- Breaks down fat & grease buildup
- Eliminates malodors at their source
- Contains no chemicals
- Degrades a wide range of complex organic compounds



#### Applications of Use

- Lift stations, Wet wells Septic Tanks
- Grease Trap & Drain Maintenance
- Odor Control
- Industrial Pre-Treatment
- Digesters & Aeration Basins
- Oxidation Tanks
- RBC's
- Hard Surface Cleaners
- Carpet and Fabric Care
- RV's, Portable & Chemical Toilets
- Animal Feedlot
- Liquid Compost Accelerator
- Wastewater Treatment Systems
- Transfer Stations
- Sewage Holding Tanks
- Ships & Boats Septic Systems

#### Packaging of Product

### MicroClear® FOGgone™

- Liquid comes in
- 5-gallon Plastic pails or
- 55-gallon drums

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# MicroClear® FOGgone™

## High Fats, Oil & Grease Liquid Formulation

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#### SPECIFICATIONS CHARACTERISTICS

**Contents: 5 selectively chosen Bacillus strains plus Odor control fragrance**

Form:.....liquid  
 Color: (F).....amber  
 Odor: (F).....fresh  
 Viscosity.....cps at 70F=20cps  
 Spec. Grav.....1.01 +/- .1  
 pH.....7.0 +/- .5  
 Flash Point.....none  
 Shelf Life.....24 months

- \* Protein digesting bacteria
- \* Starch digesting bacteria
- \* Cellulose digesting bacteria
- \* Fat, Oil & Grease digesting bacteria

- Degrades**
- Fats, Oils & Grease
  - Organics
  - Starches
  - Protein
  - Malodors
  - Animal Fat
  - Triglycerides
  - Surfactants / Soaps
  - Chemicals

#### Storage & Handling

Storage.....Store in a cool, dry place. Do Not Freeze  
 Container.....Keep lid closed on Plastic Pail.  
 Handling.....Wash hands thoroughly with warm, soapy water

#### Bacterial Count

#### MicroClear® FOGgone™

Has an undiluted bacterial count of 200 billion cfu's per gallon.



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First product is MicroPuck™.

*This product is for drop into toilets, septic tanks, etc.*

SPECIFICATIONS:

Tablet Weight: 48gr

Tablet Shape: Round

Tablet Size: 1-7/8" D x 11/16" H

Fragrance: Lemon (only available scent)

Color: Neutral

Packaged 140pcs/carton (estimated) Tablets last 28-35 days

**Your Cost: \$246.00 per box of 140 approx.**



**Next Product is MicroBlock™** Application Sewer, Lift Stations, Grease Traps & Wet Wells

DOSAGE RATE GUIDELINES

2 - lb. MicroBlock™	35-60 Days	Liftstation flows less than 50,000 gpd
5 - lb. MicroBlock™	45-75 Days	Liftstation flows 50,000-100,000 gpd
10 - lb. MicroBlock™	60-90 Days	Liftstation flows >100,000 gpd

Specifications: in 2, 5, or 10 lb. solid blocks

**MicroClear® MicroBlock™**

**2-lb. MicroBlock™** = 4 per case - \$125.00 per case

**5-lb. MicroBlock™** = 4 per case - \$333.36 per case

**10-lb. MicroBlock™** = 4 per case - \$575.00 per case

**MicroClear® 207 – Bulk Powder & Pouches**

Liftstations, Aeration Basins & Septic Systems

Powder - 25lb. Pail = \$14.95 per pound / \$ 373.75 per 25lb.pail

